

Layer Name: Statewide Flood Hazard Areas

File Name: State_s_fld_haz_ar

Layer Type: Polygon

Status: Complete

Geog. Extent: Main Hawaiian Islands (Some areas are not mapped)

Projection: UTM Zone 4, NAD 83, Meters

Description: Digital Flood data for islands of Niihau, Kauai, Oahu, Maui, Molokai, Lanai and Kahoolawe.

Additional Information:

Special Flood Hazard Areas Subject to inundation by the 1% annual chance flood: The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, V, and VE. The Base Flood Elevation (BFE) is the water-surface elevation of the 1% annual chance flood. Mandatory flood insurance purchase applies in these zones.

Publication Dates:

County of Kauai:	November 26, 2010
County of Maui:	September 19, 2012
C&C of Honolulu:	January 19, 2011
County of Hawaii:	Not yet available, under review

History: Received from DLNR, Engineering Division, October 2012. Statewide GIS Program merged into one statewide layer, October, 2014.

Source: Federal Emergency Management Agency (FEMA) (via DLNR Engineering Section); Please refer to online documentation for more information:

NOTE: Refer to the following resources for more information:

<http://www.fema.gov/ctp-main/guidelines-specifications-flood-hazard-mapping-partners>

Information about Attributes: <http://www.fema.gov/library/viewRecord.do?id=2206>

Hawaii State Flood Hazard Assessment Tool: <http://gis.hawaiiinfip.org/fhat/>

Attribute Definitions:**FLD_Zone:**

0.2 PCT Annual Chance Flood Hazard: 0.2 PCT Annual Chance Flood Zone is the flood insurance rate zone that corresponds to the areas of 500-year flooding.

A Zone: Zone A is the flood insurance rate zone that corresponds to the 100-year floodplains that are determined in the Flood Insurance Study (FIS) by approximate methods. Because detailed hydraulic analysis are not performed for such areas, no base flood elevations or depths are shown within this zone.

AE Zone: Zone AE is the flood insurance rate zone that corresponds to the 100-year floodplains that are determined in the FIS by detailed methods. In most instances, whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

AH Zone: Zone AH is the flood insurance rate zone that corresponds to the areas of 100-year shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot base flood elevations derived from detailed hydraulic analyses are shown at selected intervals within the zone.

AO Zone: Zone AO is the flood insurance rate zone that corresponds to the areas of 100-year shallow flooding (usually sheet flow on sloping terrain) when average depths are between 1 and 3 feet. Average whole-depths derived from detailed hydraulic analyses are shown in this zone.

V Zones: Zone V is the flood insurance rate zone that corresponds to the 100-year coastal floodplains that have additional hazards associated with storm waves. Because detailed hydraulic analysis are not performed for such areas, no base flood elevations or depths are shown within this zone.

VE Zones: Zone VE is the flood insurance rate zone that corresponds to the 100-year coastal floodplains that have additional hazards associated with storm waves. Whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Floodway: The floodway (i.e., AE, Floodway) is the channel of a stream plus any adjacent areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

X Zone: Zone X is an area determined to be outside of the 0.2% annual chance floodplain. No base flood elevations or depths are shown within these zones.

X Protected by Levee Zone: This area is shown as being protected from the 1%-annual-chance or greater flood hazard by a levee system that has not been provisionally accredited. Overtopping or failure of any levee system is possible. Check with your local community to obtain more information, such as the estimated level of protection provided,

XS Zone: Zone XS (X shaded) is an area within the 0.2% annual chance flood: areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile and areas protected by levees from 1% annual chance flood. No base flood elevations or depths are shown within this zone.

Zone D: D Zone is the flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined but possible.

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